

C4L Math Item Count by Tested Indicator			
Grade 8			
NUMBER SENSE	Number of items in Item Bank		
<i>MA 8.1.1.a Compare and order real numbers</i>	8		
<i>MA 8.1.1.c Represent small numbers using scientific notation</i>	8		
<i>MA 8.1.1.d Classify numbers as natural, whole, integer, rational, irrational, or real</i>	11		
<i>MA 8.1.3.a Compute accurately with rational numbers</i>	12		
<i>MA 8.1.3.b Evaluate expressions involving absolute value of integers</i>	13		
<i>MA 8.1.3.d Select, apply, and explain the method of computation when problem solving using rational numbers</i>	7		
<i>MA 8.1.3.e Solve problems involving ratios and proportions</i>	17		
<i>MA 8.1.4.a Use estimation methods to check the reasonableness of solutions for problems involving rational numbers</i>	6		
GEOMETRIC/MEASUREMENT CONCEPTS	Number of items in Item Bank		
<i>MA 8.2.1.c Identify geometric properties of parallel lines cut by a transversal and related angles</i>	15		
<i>MA 8.2.1.d Identify pairs of angles</i>	9		
<i>MA 8.2.1.e Examine the relationships of the interior angles of a triangle</i>	10		
<i>MA 8.2.2.a Use coordinate geometry to represent and examine the properties of rectangles and squares using horizontal and vertical segments</i>	6		
<i>MA 8.2.5.c Apply the Pythagorean theorem to find missing lengths in right triangles and to solve problems</i>	13		
<i>MA 8.2.5.d Use scale factors to find missing lengths in similar shapes</i>	9		
ALGEBRAIC CONCEPTS	Number of items in Item Bank		
<i>MA 8.3.1.b Describe relationships using algebraic expressions, equations, and inequalities</i>	21		
<i>MA 8.3.2.a Model contextualized problems using various representations</i>	10		

MA 8.3.3.b Evaluate numerical expressions containing whole number exponents	8		
MA 8.3.3.c Solve multi-step equations involving rational numbers	22		
MA 8.3.3.d Solve two-step inequalities involving rational numbers	16		
DATA ANALYSIS/PROBABILITY CONCEPTS	Number of items in Item Bank		
MA 8.4.1.b Compare characteristics between sets of data or within a given set of data	6		
MA 8.4.1.d Select the most appropriate unit of central tendency for sets of data	10		
MA 8.4.1.e Identify misrepresentation and misinterpretation of data represented in circle graphs and box plots	6		
MA 8.4.3.a Identify complementary events and calculate their probabilities	4		
MA 8.4.3.b Compute probabilities for independent compound events	13		